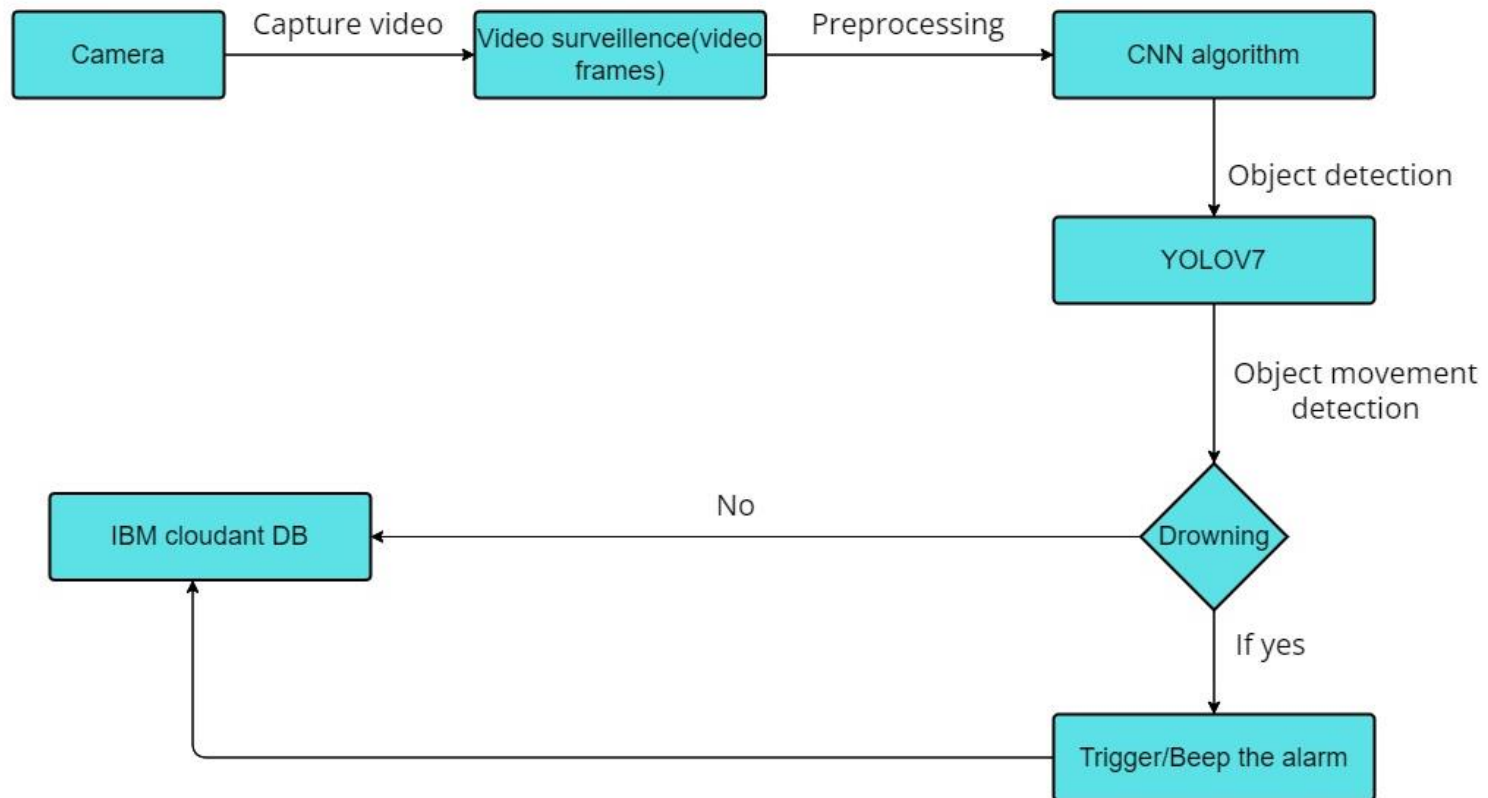


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |  |
|---------------|--|
| Date          | 14 October 2022  |
| Team ID       | PNT2022TMID30150   |
| Project Name  | VIRTUAL EYE - LIFE GUARD FOR SWIMMING POOLS<br>TO DETECT ACTIVE DROWNING |
| Maximum Marks | 4 Marks  |

**Data Flow Diagram:**



## User Stories

Use the below template to list all the user stories for the product.

| User Type             | Functional Requirement (Epic) | User Story Number | User Story / Task  | Acceptance criteria                             | Priority | Release   |
|-----------------------|-------------------------------|-------------------|--|---|----------|-----------|
| Customer (Supervisor) | Installation                  | USN-1             | They set the camera and install and configure the system in swimming pools | The software is installed and cameras are setup | High     | Sprint-1  |
|                       | Pre-processing                | USN-2             | Train and test the model   | Train the model by using datasets               | High     | Sprint-1  |
|                       | Detection of drowning         | USN-3             | The swimmers can be monitored by cameras                                   | Camera surveillance                             | High     | Sprint -2 |
|                       |                               | USN-4             | Swimmers can be detected through their actions                             | Detection of drowning                           | High     | Sprint-2  |
|                       | Alarm rings                   | USN -5            | Alarm rings When the system detects drowning person                        | Alert the lifeguard                             | High     | Sprint-3  |
| Lifeguard             | Saves the person              | USN-6             | The Lifeguard saves the swimmer who is drowning once the alarm rings       | Saves the life of people                        | High     | Sprint-3  |
| Administrator         | Register                      | USN-7             | Register into the application  | Admin can access the account                    | Medium   | Sprint-2  |
|                       | Login                         | USN-8             | Login and manage the application   | Manage system                                   | Medium   | Sprint-2  |
|                       |                               | USN-9             | Stores the database  | Storage the database                            | Medium   | Sprint-2  |